



US Army Corps
of Engineers®

Nashville District

Public Notice

Public Notice No. 07-37

Date: July 10, 2007

Application No. 2006-02762

Expires: August 8, 2007

Please address all comments to:
Nashville District Corps of Engineers, Regulatory Branch
3701 Bell Road, Nashville, TN 37214-2660

JOINT PUBLIC NOTICE
US ARMY CORPS OF ENGINEERS
AND
TENNESSEE VALLEY AUTHORITY

SUBJECT: Discharge of Fill Material into Streams and Wetlands to Facilitate the a Retail Development in Knox County, Tennessee

TO ALL CONCERNED: The application described below has been submitted for a Department of the Army (DA) Permit pursuant to **Section 404 of the Clean Water Act (33 U.S.C. 1344)**. Certification that applicable water quality standards will not be violated must be provided by the State of Tennessee, Division of Water Pollution Control pursuant to Section 401(a)(1) of the CWA before a permit can be issued. The applicant has submitted a separate application to that agency for the required certification.

APPLICANT: Graham Corporation
1701 Merchants Drive
Knoxville, Tennessee 37912

LOCATIONS: The subject property is located on the southeast side of Maynardville Pike near Halls Crossroads in Knox County, Tennessee. Waters of the U.S. impacted include Willow Fork and an adjacent wetland and tributary to Willow Fork. The project is on the Fountain City quadrangle map at approximately Latitude 36°-05'-59.8", Longitude 83°-54'-35.8".

DESCRIPTION: The applicant proposes to relocate 2,319 feet of Willow Fork and 176 feet of an unnamed tributary. Willow Fork would be relocated approximately 250 feet to the southeast of its current location. The applicant also proposes to fill a 0.60 acre wetland area. Discharges of fill material into waters would facilitate the development of a new retail center in the area.

Mitigation for the stream impacts would involve the establishment of 2,530 feet of channel using natural channel design across the back side of the property. Mitigation for the wetland impacts would involve the creation of 1.81 acres of wetlands in the floodplain of the new Willow Fork channel.

A location map and plans of the proposed action are attached. Additional details are available upon request.

The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the work, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b)(1) of the CWA (40 CFR Part 230). A DA permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. An EA will be prepared by this office prior to a final decision concerning issuance or denial of the requested DA Permit.

Prior to the Department of the Army permit application, the applicant received a letter from the Tennessee SHPO from December 2006 stating that there is no National Register of Historic Places listed or eligible properties affect by the proposed development. Based on this information and the review of the permit application and project by Corps cultural resource staff, the Corps concurs with the finding that there are no historic properties within the undertaking's area of potential impact. This review constitutes the full extent of cultural resources investigations unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work, or that adequately documents that a potential exists for the location of significant sites or properties within the permit area. Copies of this notice are being sent to the office of the State Historic Preservation Officer.

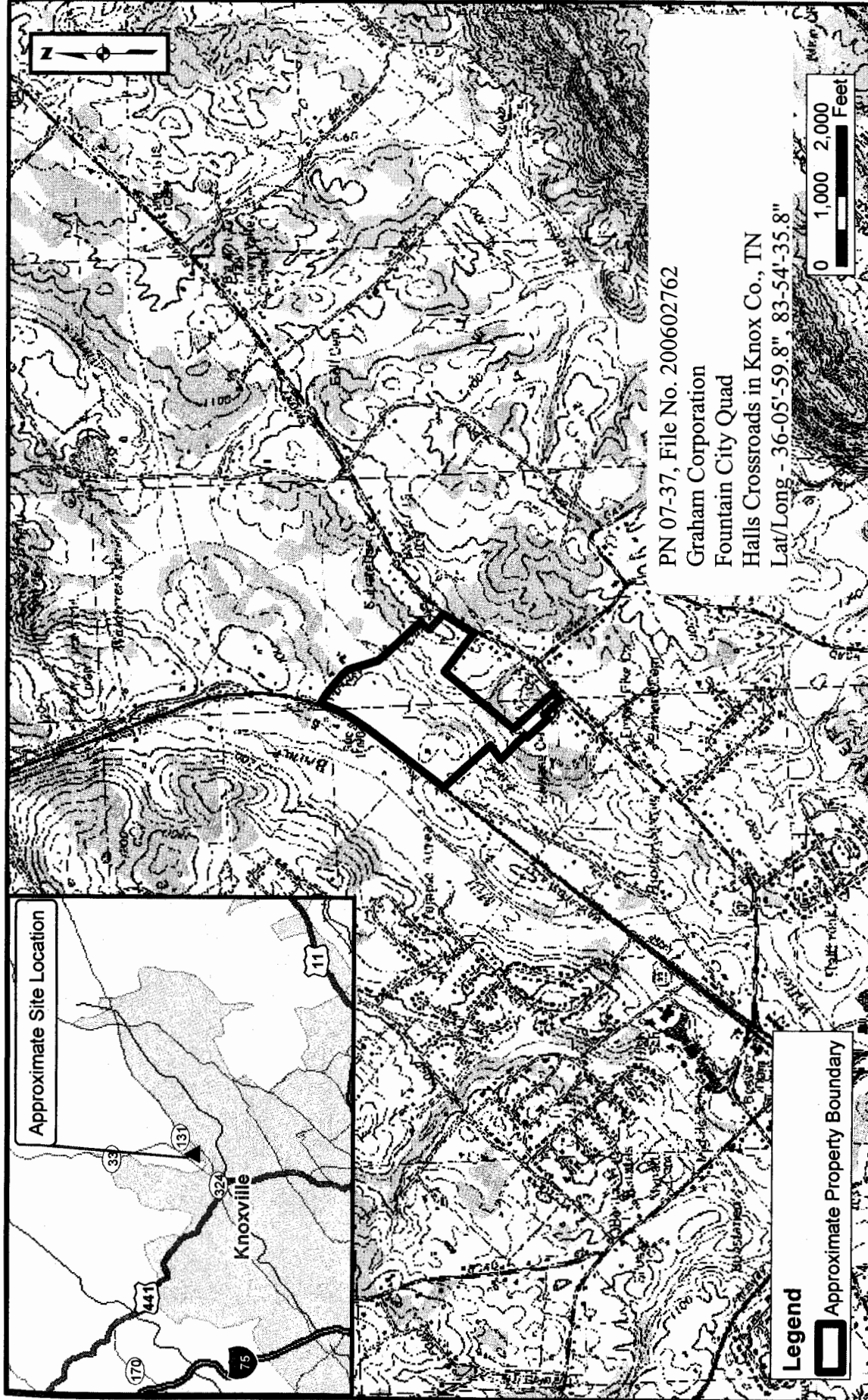
The applicant also corresponded with the U.S. Fish and Wildlife Service (USFWS) concerning potential impacts from the project prior to submittal of the permit application. The USFWS sent the applicant a letter dated December 6, 2006, stating that available records do not indicate that federally listed or proposed endangered or threatened species occur within the impact area. Based on the information, the proposed work will not destroy or endanger any federally-listed species or their critical habitats, as identified under the Endangered Species Act. Therefore, we have reached a no effect determination, and initiation of formal consultation procedures with the U.S. Fish and Wildlife Service is not planned at this time.

Other federal, state, and local approvals required for the proposed work includes water quality certification from the State of Tennessee, Division of Water Pollution Control, in accordance with Section 401(a)(1) of the Clean Water Act and Tennessee Valley Authority (TVA) approval under Section 26a of the TVA Act.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Written statements received by August 8, 2007, will become a part of the record and be considered in the determination. Any response to this notice should be directed to the Regulatory Branch, Attention: Marty Tyree, at the above address or (615) 369-7514. It is not necessary to comment separately to TVA. Copies of all comments will be sent to TVA and will become part of its record. However, if comments are sent to TVA, they should be mailed to Ms. Tiffany Foster at TVA, Little Tennessee Watershed Team, 260 Interchange Park Drive, Lenoir City, Tennessee 37772. If you wish

to view additional diagrams, please contact Mr. Tyree or visit our web site at <http://www.lrn.usace.army.mil/cof/notices.htm>.



PN 07-37, File No. 200602762

Graham Corporation

Fountain City Quad

Halls Crossroads in Knox Co., TN

Lat/Long - 36-05'-59.8", 83-54'-35.8"



FIGURE NO:

1

Site Vicinity Map

**Retail Development
Willow Creek**

Knox County, Tennessee

Project No: 1434-06-396



SCALE: AS SHOWN

CHECKED: EMP

DRAWN: MDS

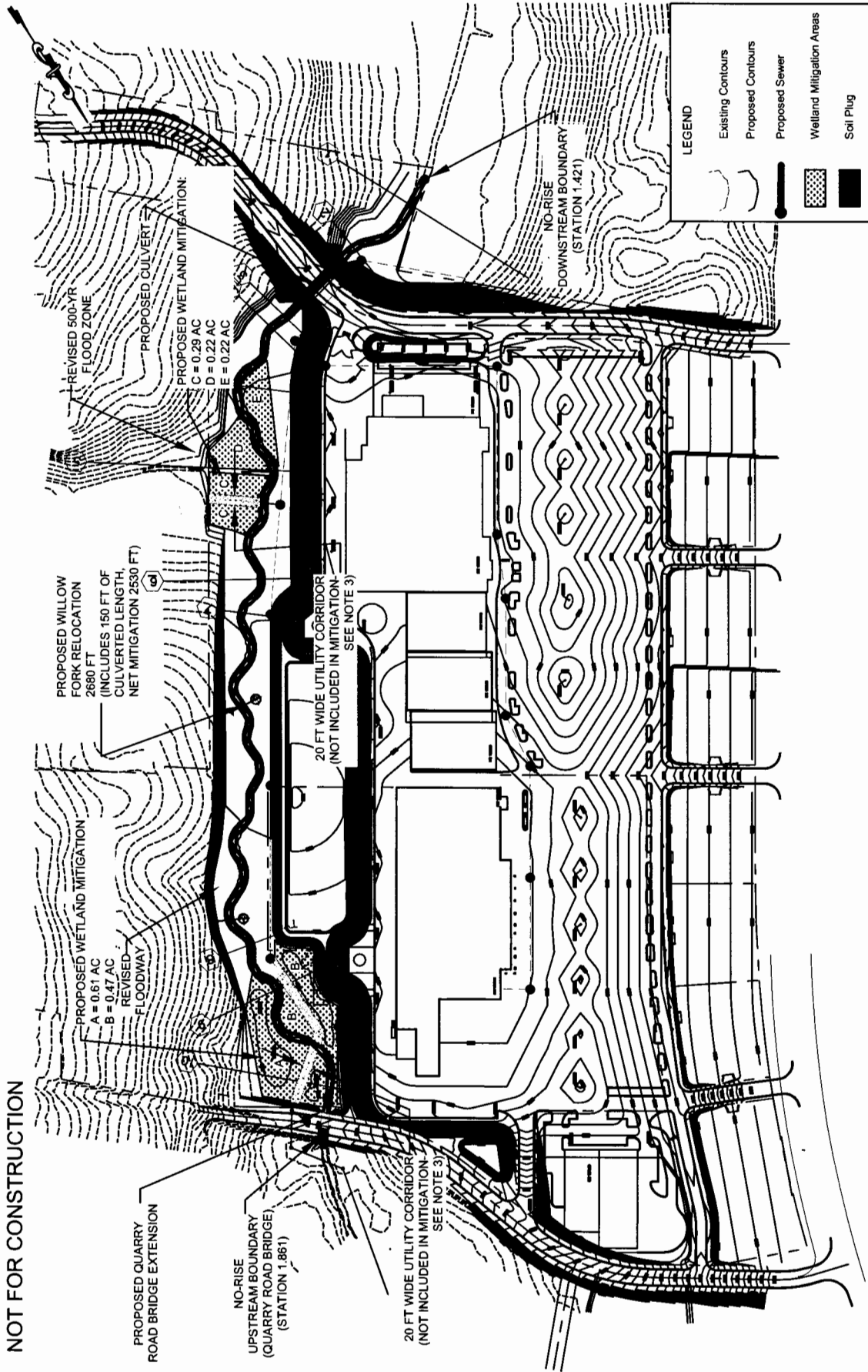
DATE: 11/15/2006

**USGS Topographic
Quadrangle Reference:
Fountain City Quadrangle**

Legend

Approximate Property Boundary

NOT FOR CONSTRUCTION

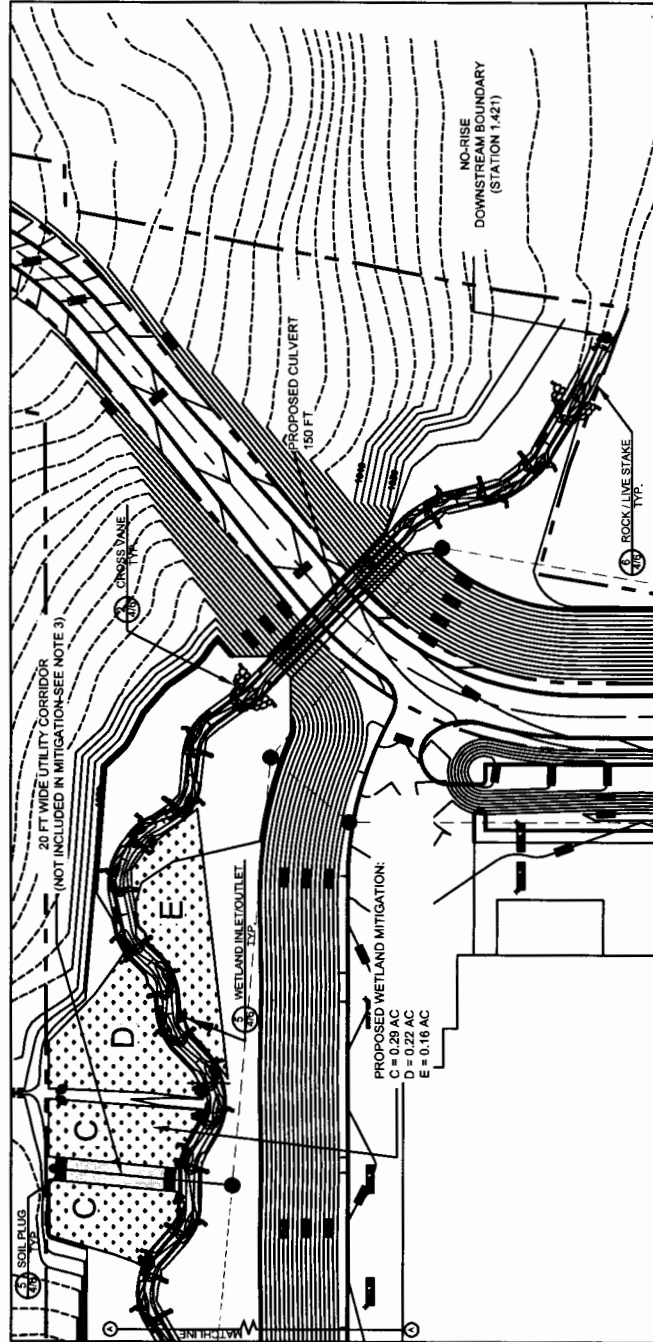
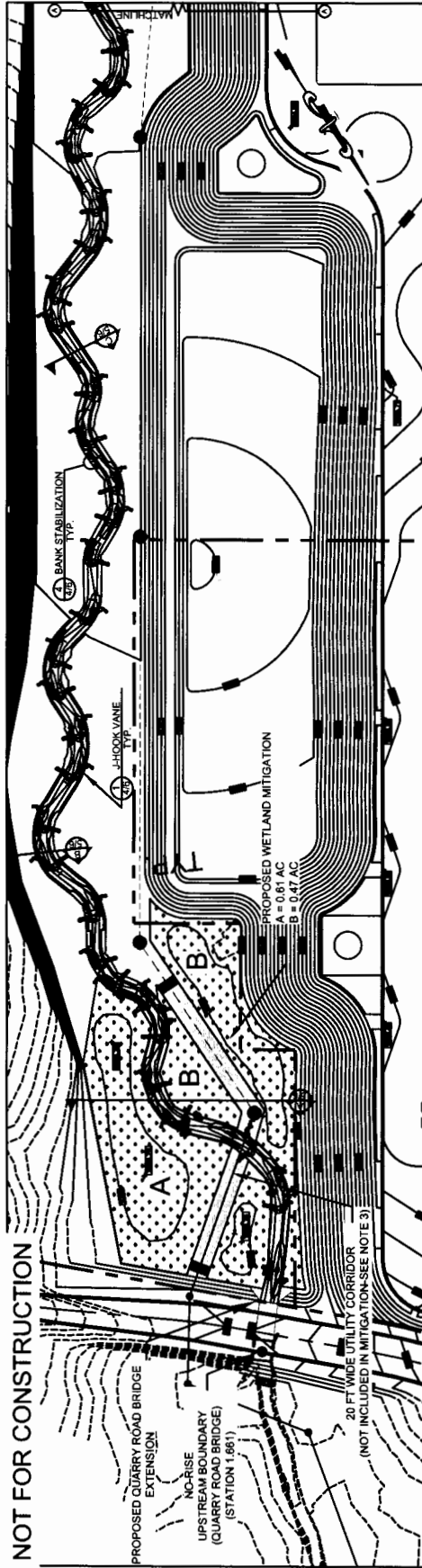


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PN 07-37, File No. 200602762
Graham Corporation
Knox Co., TN

NOTES:
1. MAP PROVIDED BY TUNICLIFFE, HAMILTON & PARTNERS, INC.
2. ALTAZEM AND TITLE SURVEY BY PROFESSIONAL LAND SYSTEMS, INC. (P.L.S.)
3. FLOOD HAZARD MAPS WERE OBTAINED FROM KNOX COUNTY ENGINEERING MAPS
SHOWN ARE REVISIONS TO PRELIMINARY MAPS DATED MARCH 12, 2008, AND INCLUDE MAP NUMBERS
070001-1, 070002-1, 070003-1, 070004-1, AND 070005-1.

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MITIGATION TABLE		
STREAM MITIGATION		
EXISTING YELLOW FISH	2319 FT	
EXISTING TRIBUTARY	176 FT	
TOTAL STREAM IMPACTS	2495 FT	
RELOCATED YELLOW FISH	2600 FT	
	150 FT	
CULVERT	2330 FT	
TOTAL STREAM MITIGATION		WETLAND MITIGATION
EXISTING WETLAND	0.80 AC	
PROPOSED WETLAND A	0.81 AC	
PROPOSED WETLAND B	0.47 AC	
PROPOSED WETLAND C	0.26 AC	
PROPOSED WETLAND D	0.22 AC	
PROPOSED WETLAND E	0.22 AC	
		WETLAND TOTAL

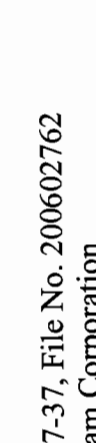
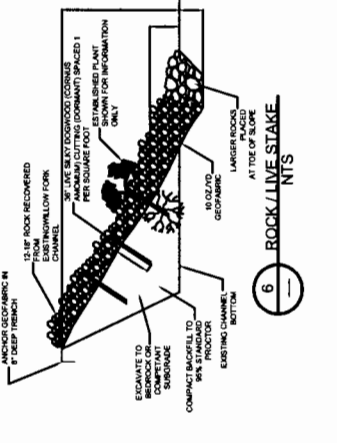
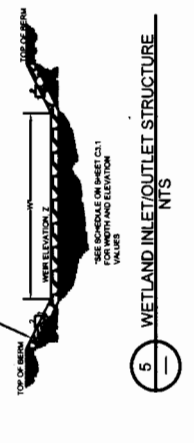
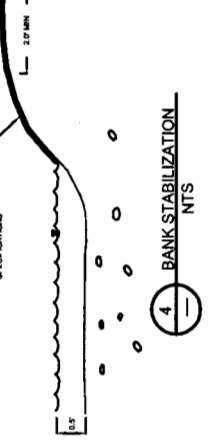
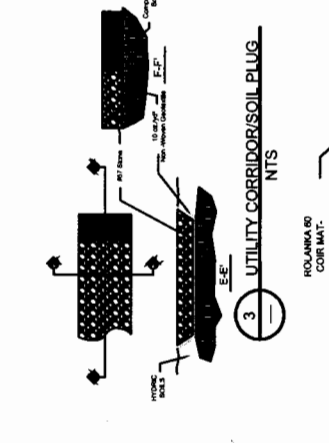
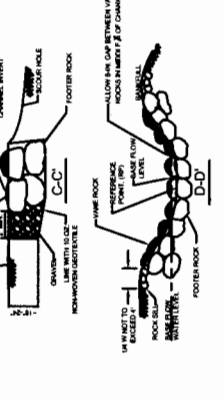
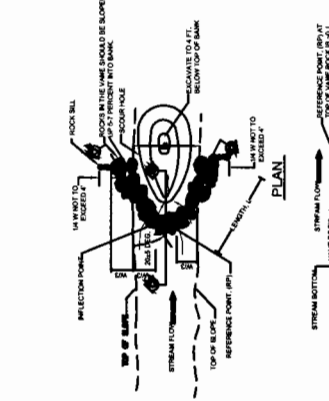
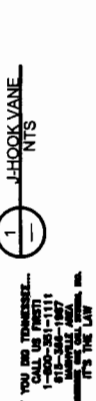
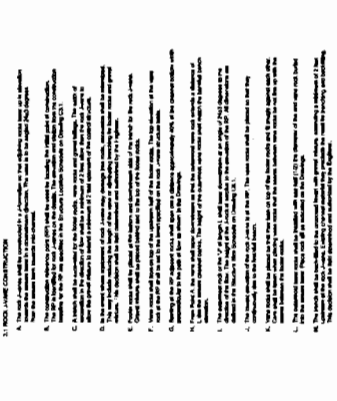
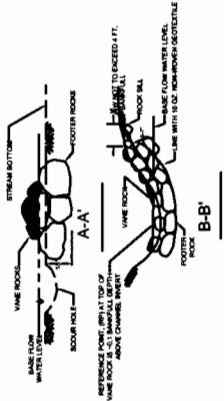
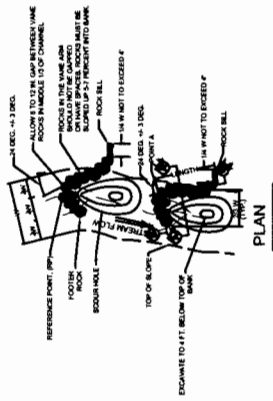


**IF YOU DID TENNESSEE...
CALL US FIRST!
1-800-381-1111
615-344-1967
NASHVILLE, ARIZ.
TENNESSEE ONE CALL SERVICE, INC.
IT'S THE LAW**

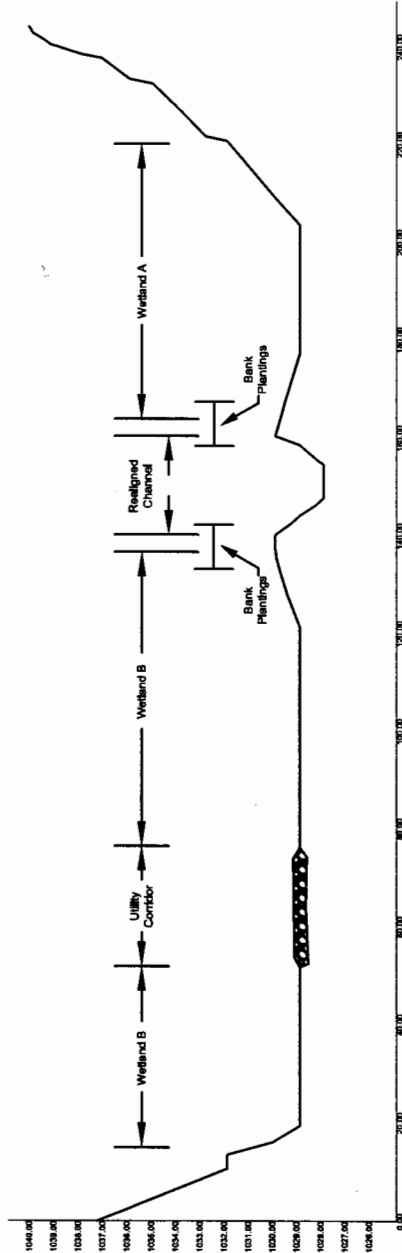
NOTES:
1. MAP PROVIDED BY TYPHOON, HAMPTON & PARTNERS, INC.
2. ALFACEM LAND TITLE SURVEY BY PROFESSIONAL LAND SYSTEMS (JED D. FERROUSON, P.L.S.) DATED 08/10/18.
3. UTILITY EASEMENTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL UTILITY EASEMENT LOCATIONS MAY VARY FROM THOSE DEPICTED. EASEMENTS DEPICTED ARE FORESEEN MAXIMUM ENCROACHMENTS ON WETLAND MITIGATION AREAL.

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Knox Co., TN

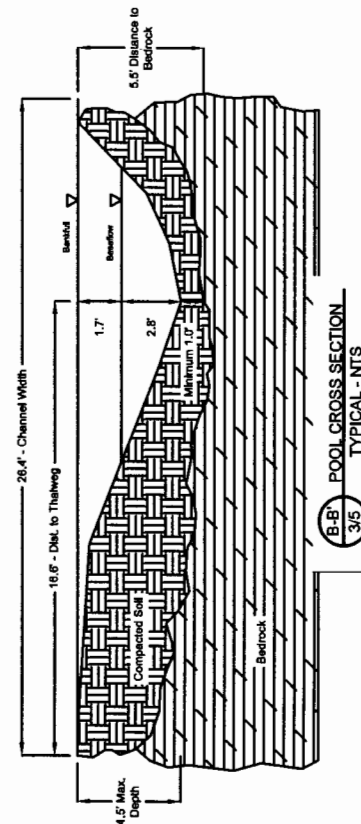
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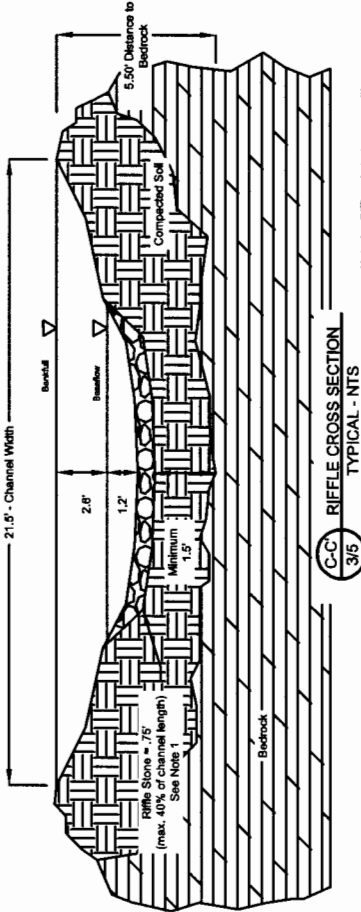
NOT FOR CONSTRUCTION



A-A' CROSS-SECTION OF MITIGATION AREA
TYPICAL OF OTHER AREAS
3/5



B-B' POOL CROSS SECTION
TYPICAL - NTS
3/5



C-C' RIFFLE CROSS SECTION
TYPICAL - NTS
3/5

Note 1: Riffle substrate composition:
10% No. 16
20% No. 4
40% 3/4 inch
20% 1 inch
10% 2 inch

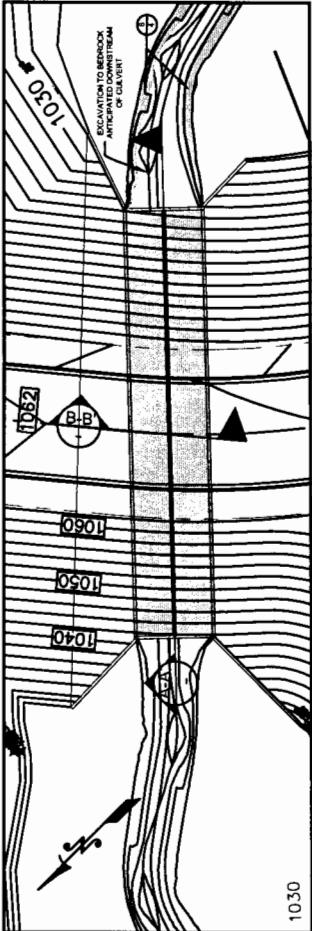


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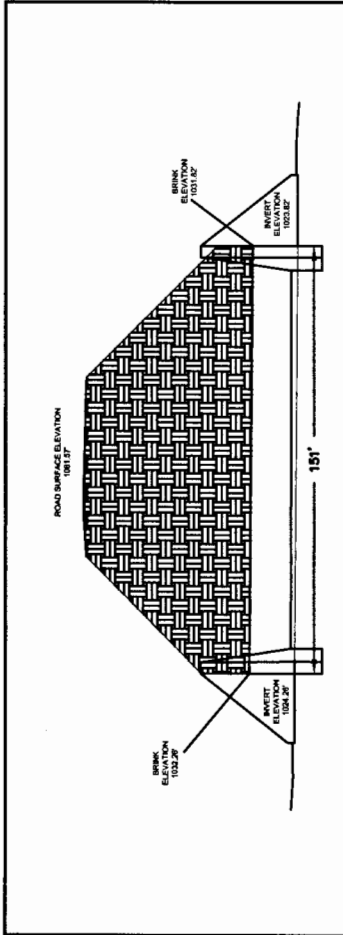
Graham Corporation
Stream: Willow Fork
County: Knox Co., TN

Revisions		DATE	BY	CHKD	APP'D
1	Initial Design	07/20/07	WMC	WMC	WMC
2	Final Design	07/20/07	WMC	WMC	WMC
3	Final Design	07/20/07	WMC	WMC	WMC
4	Final Design	07/20/07	WMC	WMC	WMC
5	Final Design	07/20/07	WMC	WMC	WMC
6	Final Design	07/20/07	WMC	WMC	WMC
7	Final Design	07/20/07	WMC	WMC	WMC
8	Final Design	07/20/07	WMC	WMC	WMC
9	Final Design	07/20/07	WMC	WMC	WMC
10	Final Design	07/20/07	WMC	WMC	WMC

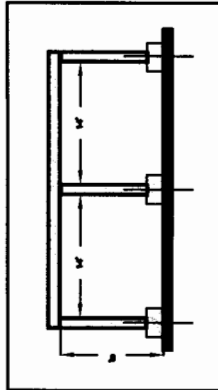
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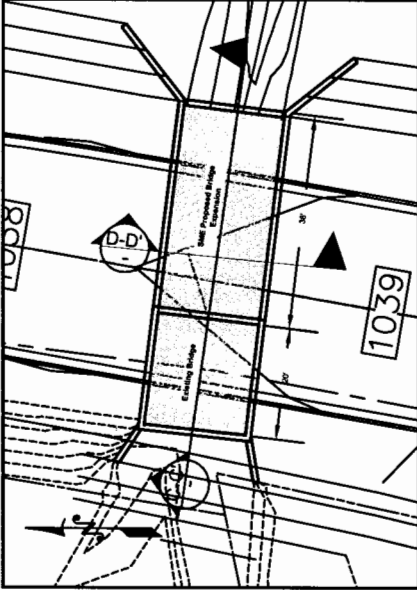
PROPOSED CULVERT PLAN VIEW STATION 2+46.0 TO 4+19.0
1 inch = 20 feet



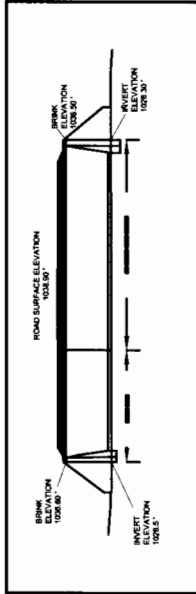
ROAD SURFACE PROFILE VIEW STATION 2+58.0 TO 4+18.0
HORIZONTAL SCALE: 1 inch = 20 feet
VERTICAL SCALE: 1 inch = 40 feet



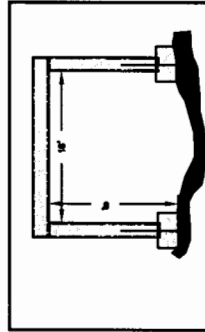
CULVERT CROSS SECTION STATION 2+58.0 TO 4+19.0
TYPICAL - NTS



PROPOSED BRIDGE EXPANSION STATION 25+31.4 TO 25+46.4
1 inch = 10 feet



ROAD SURFACE PROFILE VIEW STATION 25+31.4 TO 25+46.4
HORIZONTAL SCALE: 1 inch = 10 feet
VERTICAL SCALE: 1 inch = 20 feet



BRIDGE EXPANSION CROSS SECTION STATION 25+31.4 TO 25+46.4
TYPICAL - NTS

- NOTES:
1. CULVERT DETAILS ADAPTED FROM TDOT STANDARD BOX CULVERT STRUCTURES. DETAILS SHEETS AT [HTTP://WWW.TDOT.STATE.TN.US/Highways/Design/Engineering/Services/Standard%20Details/Standard%20Details.htm](http://www.tdot.state.tn.us/Highways/Design/Engineering/Services/Standard%20Details/Standard%20Details.htm). CONCRETE EXPANSION ARE PRECAST CONCRETE.
 2. WINGWALL AND SKEW ANGLES ARE AS SHOWN. UPSTREAM AND DOWNSTREAM WINGWALL ANGLES FOR THE PROPOSED NEW CULVERT ARE 45°. DOWNSTREAM WINGWALL ANGLES FOR THE EXISTING EXPANSION IS 45°. EXISTING BRIDGE WINGWALL ANGLE IS 30°.
 3. FOR CROSS SECTION LOCATIONS, REFER TO THE PROPOSED CONDITIONS SITE PLAN IN APPENDIX C, FIGURE 5, AND THE TYPICAL SUBMITTAL PACKAGE.
 4. THESE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONSTRUCT PER CIVIL PLANS PROVIDED BY TYSINGER, HAMPTON, AND PARTNERS.



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DETAILS-PROPOSED CULVERT AND BRIDGE EXTENSION HALLS CROSSROADS PROPOSED RETAIL FACILITY

Knox County, Tennessee

Revisions

NO.	DATE	DESCRIPTION
1	01-14-07	Agency Review
2	01-14-07	Comments
3	01-14-07	Comments
4	01-14-07	Comments
5	01-14-07	Comments
6	01-14-07	Comments
7	01-14-07	Comments
8	01-14-07	Comments
9	01-14-07	Comments
10	01-14-07	Comments